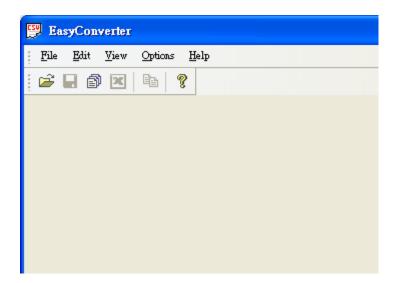
Appendix 7 EasyConverter

This application program is use to when the history record of data sampling (dtl) or event log (evt) upload to PC, which can transfer to Excel (csv).

1. Introduction

From Project Manager to click the "**EasyConverter**" will pop up the application program.



There are three functions introduce as follows:

Export to Excel

Scaling function

Multi-File Conversion

2. Setting of EasyConverter

How to export to Excel

When open the file, it will pop up setting dialog as follow:

Choose Your Time Format 🛛 🔀					
Display Milliseconds					
 No millisecond information 					
Separated by a COMMA sign					
Separated by a DOT sign					
O Parenthesized					
Ex: HH:MM:SS					
Don't ask me again.					
OK					

There are four options that time format of data can be selected.

No millisecond information	Ex: HH:MM:SS
Separated by a COMMA sign	Ex: HH:MM:SS,###
Separated by a DOT sign	Ex: HH:MM:SS.###
Parenthesized	Ex: HH:MM:SS(###)

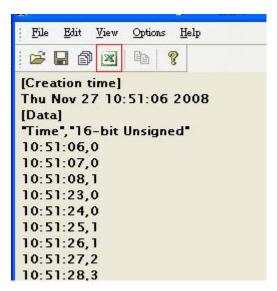
If check "Don't ask me again", the pop up window will not appear again.

If need to modify the time format, please go to Options / Time Format to call up the setting dialog.

After setting, click OK. And pop up next setting dialog, as follow:

1 16-bit Unsigned 16-bit Unsigne 1 0 No Scaling & Offset N/A	No	Name	Туре	Word Size	Digits	Scalir
-Scaling & Offset	1	16-bit Unsigned				
-Scaling & Offset						
-Scaling & Offset						
-Scaling & Offset						
-Scaling & Offset						
-Scaling & Offset						
	<					
) ;
	Sc	aling & Offset	<u>, 10</u>		_))
	Sc	aling & Offset	<u></u>		_	
	Sc	aling & Offset			_	
	Sc N/	aling & Offset				

Click OK,



Click Export to Microsoft Excel.

	A	В	С
1	[Creation t	ime]	
2	Thu Nov 2	27 10:51:06 20	008
3	[Data]		
4	"Time"	"16-bit Unsig	gned"
5	10:51:06	0	
6	10:51:07	0	
7	10:51:08	1	
8	10:51:23	0	
9	10:51:24	0	
10	10:51:25	1	
11	10:51:26	1	
12	10:51:27	2	
13	10:51:28	3	
14	10:51:29	3	
1.5	10.51.00		

User can check the data in Excel.

How to use Scaling function

The **Scaling** is use to offset data.

amp	ling Data Info	rmation				X
Sele	ct number of digi	ts after decimal p	ioint:		1	1
No	Name	Туре	Nord Siz	Digit	Scal	ing
1	16-bit Unsigned	16-bit Unsigned	1	0	No	*
					No Yes	

new value = { {value+A}xB}+C, user can setting a value on A, B, and C.

Why need the Scaling function?

For example, here is a data of voltage and data format is 16-bit unsigned, its value range is 0~4096.

User want to mapping those data to -5 to +5 volt.

new value = $\{\{value+0\}x0.0024\}+(-5), as follow:$

S	amp	ling Data Info	rmation			Þ	K
:	Sele	ct number of digi	ts after decin	nal point:			
	No	Name	Туре	Word Size	Digits	Scaling	
	1	16-bit Unsigned	16-bit Unsi;	1	3	Yes 💌	
'			_	_	_	_	
	-Sc	aling & Offset					1
		A	В		С		
		0.0000	0.002	4	-5.000	00	
	ne	w value = ((valu	⊫e+A)xB)	+			
		= (value	x 0.0024) +	-5.0000			
l	_]
	Loa	d Setting					
	Sav	e Setting	ſ	OK		Cancel	
	_						·

Above sampling data of setting can save it and be loaded on next time.

After the scaling,

Original file

After use scaling function file

🕎 K:\1\20081203.dtl - EasyConverter	👺 K:\1\20081203.dtl - EasyConverter
<u>File Edit View Options H</u> elp	<u>File Edit View Options H</u> elp
🖻 🖬 🗃 💌 🖻 🦹	🖻 🖬 🗊 💌 🕒 🤶
[Creation time] Wed Dec 03 08:47:15 2008 [Data] "Time", "16-bit Unsigned" 08:47:16 0.000 08:47:17 300.000 08:47:18 600.000 08:47:20 1200.000 08:47:20 1200.000 08:47:21 1500.000 08:47:22 1800.000 08:47:23 2100.000 08:47:23 2100.000 08:47:25 2700.000 08:47:26 3000.000 08:47:27 3300.000 08:47:28 3600.000 08:47:29 3900.000 08:47:30 4096.000 08:47:31 3796.000 08:47:32 3496.000 08:47:33 3196.000 08:47:35 2596.000 08:47:36 2296.000	[Creation time] Wed Dec 03 08:47:15 2008 [Data] "Time", "16-bit Unsigned" 08:47:16, -5.000 08:47:17, -4.268 08:47:18, -3.536 08:47:19, -2.804 08:47:20, -2.072 08:47:21, -1.340 08:47:22, -0.608 08:47:23, 0.124 08:47:24, 0.856 08:47:25, 1.588 08:47:26, 2.320 08:47:26, 2.320 08:47:27, 3.052 08:47:28, 3.784 08:47:29, 4.516 08:47:30, 4.994 08:47:31, 4.262 08:47:32, 3.530 08:47:34, 2.066 08:47:35, 1.334 08:47:36, 0.602

How to use Multi-File Conversion

Step1. Click the File / Multi-File will pop up the setting dialog.

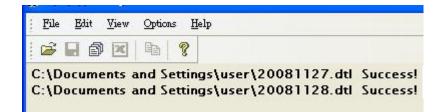
Step2. Click "Add File..." to combine to Excel.

Multi-File	×
Convert file list: C:\EB8000\eng1.34\datalog\123\20081127.dtl C:\EB8000\eng1.34\datalog\trend\20081128.dtl	
Add File Delete File)
Combine to a file	1
C:\Documents and Settings\user\test.xls OK Cancel]

Step3. After adding files, check the "**Combine to a file**" then export those files to a Excel file (xls).

	А	В	С
1	[Creation time]		
E	Thu Nov 27 10:51:06 2008	>	
3	[Data]		
4	"Time"	"16-bit Unsigned"	
5	10:51:06	0	
6	10:51:07	0	
7	10:51:08	1	
8	10:51:23	0	
9	10:51:24	0	
10	10:51:25	1	
11	[Creation time]		
12	Fri Nov 28 17:05:09 2008	•	
13	[Data]		
14	"Time"	"16-bit Unsigned"	
15	17:05:09	0	
16	17:05:10	0	
17	17:05:11	0	
18	17:05:12	0	
19	17:05:13	0	

Note: If don't check this function, the files will be export to Excel individual.



Enable Setting file

User can loading the saved Setting file to use in the new data log file and combination file also.

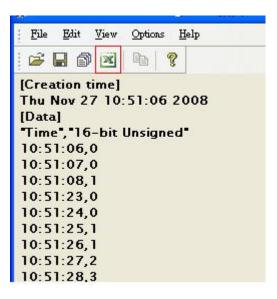
Step 1.Saving the setting to a *.lgs after filling in the value in scaling & offset.

No	Name	Туре	Word Size	Digits	Scale	ing
1	1	16-bit Unsigned	1	0	Yes	-
2	2	16-bit Unsigned	1	0	No	-
3	3	16-bit Unsigned	1	0	No	•
Sc	aling & ()ffset				
Sc	A	. E		С]
Sc		1 E		C 2.0000)	

Step2. In new data sampling, click "Load Setting" and select *.lgs for use the same setting as usual.

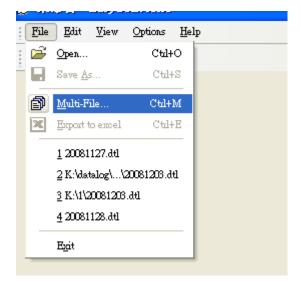
No	Name	Туре	Word Size	Digits	Scal	ing
1	1	16-bit Unsigned	1	0	No	-
2	2	16-bit Unsigned	1	0	No	-
3	3	16-bit Unsigned	1	0	No	•
-Sc	aling & (1ffset				
Sc N/	aling & C 'A)ffset ————				

Step3. Press "Export to Microsoft Excel" to check the data.



For combination and Enable setting file

Step1. Click Multi-File



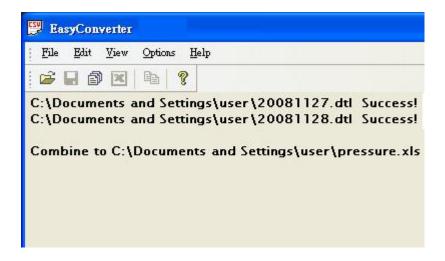
Step2. Select "Add File..."

Add File Delete File
Cancel

Step3. Select the files which would like to combine and check "Enable Setting file" and "Combine to a file" box. In the "Combine to a file", please indicate a file name for new combined file.

dulti-File	E
Convert file list:	
C:\Documents and Settings\user\20081127.dtl C:\Documents and Settings\user\20081128.dtl	
	Add File Delete File
Enable Setting file	Add File Delete File
0.5000001.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	Add File Delete File
C:\EB8000\datalog\pressure\1.lgs	
C:\EB8000\datalog\pressure\1.lgs	

Step4. After press OK, the data will display on the dialog.



Step5. Open the new combined file to check the data in Microsoft Excel.